

Ackerman, Joyce

From: Ackerman, Joyce
Sent: Monday, April 23, 2018 2:39 PM
To: Patrick Medland; Tobi L. Moore
Cc: Sandusky, Eric
Subject: FW: Phase 1
Attachments: Phase 1_Excavation zones displayed with test pit PID results.pdf

Hi Patrick – let's talk this week about the maximum depths for excavating in Phase 1. I think some of the test pits speak for themselves, i.e., the depths are known where the PID levels dropped off during this test pit activity.

I think that for some of the test pit hot spots, we may have to set a maximum depth regardless of the PID readings because to get all of it might require excessive amounts of sloping and benching. We might need a strategy of taking the excavator bucket as deep as it will go in a hot spot, like a short trench, and then filling in the hole right away for safety purposes.

I have some mandatory training tomorrow, but other days and times this week work for me.

Thanks!

Joyce

Joyce Ackerman
On-Scene Coordinator and START P.O.
U.S. EPA Region 8
1595 Wynkoop Street
Denver, CO 80202
(303) 312-6822

From: Jackie Rowley [mailto:JRowley@Geosyntec.com]
Sent: Wednesday, April 11, 2018 2:50 PM
To: Ackerman, Joyce <Ackerman.Joyce@epa.gov>
Cc: Patrick Medland <PMedland@Geosyntec.com>
Subject: RE: Phase 1, Excavation Zone 3

Hello Joyce,

As you can see Test Pit J has been incorporated into the Excavation Zones.

Cheers,
Jackie

From: Ackerman, Joyce <Ackerman.Joyce@epa.gov>
Sent: Wednesday, April 11, 2018 2:47 PM
To: Jackie Rowley <JRowley@Geosyntec.com>

Cc: Patrick Medland <PMedland@Geosyntec.com>

Subject: RE: Phase 1, Excavation Zone 3

Hi Jackie and Patrick – The test pit at SW04 is definitely elevated (MEK at 630 mg/Kg and cyclohexanone at 940 mg/Kg), so this area should be excavated. But the data for the deeper levels shows lower concentrations and I wouldn't require excavation at those levels, provided the PID readings are consistent.

Does Excavation Zone 3 include any other test pits, such as Test Pit J?

Thanks!

Joyce Ackerman
On-Scene Coordinator and START P.O.
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1595 Wynkoop Street
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From: Jackie Rowley [mailto:JRowley@Geosyntec.com]

Sent: Wednesday, April 11, 2018 12:50 PM

To: Ackerman, Joyce <Ackerman.Joyce@epa.gov>

Subject: Phase 1, Excavation Zone 3

Hello Joyce,

Did you have a chance to look into the Phase 1, Excavation Zone 3, and whether you feel it needs to be excavated due to Test Pit P (or NLF-SS-PHASE2B-SW02,04&06-031618's results being pretty low? Results from this test pit are attached.

Cheers,

Jackie Rowley
Geologist

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Legend

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Test Pit

⬮

Excavation

▨

Stockpile

▭

Phase 1 Excavation Zone

02550

Feet

N

Test Pit F		
Depth (ft)	PPM	
7	2	
10	20	
12	2	

Test Pit O		
Depth (ft)	PPM	
12.5	3	
18.5	9.6	

Test Pit Q		
Depth (ft)	PPM	
2	547	
4	335	
6	578	
8	335	
10	690	
13	91	

Test Pit G		
Depth (ft)	PPM	
11	15,000	
13	1,200	

Test Pit I		
Depth (ft)	PPM	
15	16	

Test Pit P		
Depth (ft)	PPM	
2	7	
4	270	
6	27	
8	1.8	

Test Pit H		
Depth (ft)	PPM	
4	bedrock	

Test Pit J		
Depth (ft)	PPM	
9	2,000	
11	1,200	
13	150	
14	140	

Test Pit K		
Depth (ft)	PPM	
12	650	

Test Pit D		
Depth (ft)	PPM	
7	150	
9	30	
10.5	20	

Test Pit E		
Depth (ft)	PPM	
9	1	

Test Pit C		
Depth (ft)	PPM	
8	350	
12	350	
13	105	

Test Pit S		
Depth (ft)	PPM	
2	25	
5	128	
7	518	
8.5	212	

Test Pit B		
Depth (ft)	PPM	
12	750	
18	350	

Test Pit M		
Depth (ft)	PPM	
4	850	
8	1,200	

Test Pit A/A2		
Depth (ft)	PPM	
14	15,000	
15	1,510	

Test Pit N		
Depth (ft)	PPM	
12	450	
17	55	

Test Pit L		
Depth (ft)	PPM	
12	2	

Test Pit R		
Depth (ft)	PPM	
2	130	
5	352	
6.5	250	
7	296	
8.5	240	
10	43	

Corresponding samples:

NLF-SS-PHASE1-COMP6-011718 (Composite sample of A, B & C)

NLF-SS-PHASE1-COMP7-011718 (Composite sample of J, G & N)

NLF-SS-PHASE1-TPP-012318 (Discrete sample of A as A2)

NLF-SS-PHASE1-NW(02-13)-030618 (Discrete samples collected at depths referenced in the sample numbers from Test Pit Q). Stopped because PID readings below 100 ppm.

NLF-SS-PHASE1-NE(02-8.5)-030618 (Discrete samples collected at depths referenced in the sample numbers from Test Pit S). Bedrock encountered at 8.5' below pit floor in this locaiton.

NLF-SS-PHASE1-SW(02-06)-030618 (Discrete samples collected at depths referenced in the sample numbers from Test Pit P). Stopped because PID readings were well below 100 ppm.

NLF-SS-PHASE1-SE(02-8.5)-030618 (Discrete samples collected at depths referenced in the sample numbers from Test Pit R). Bedrock encountered at 10' below pit floor in this locaiton.

Neuhauser Landfill Site
Erie, Colorado

Test Pit Locations and Results

Geosyntec
consultants

Figure 4

4/6/2018

DE0302

DRAFT